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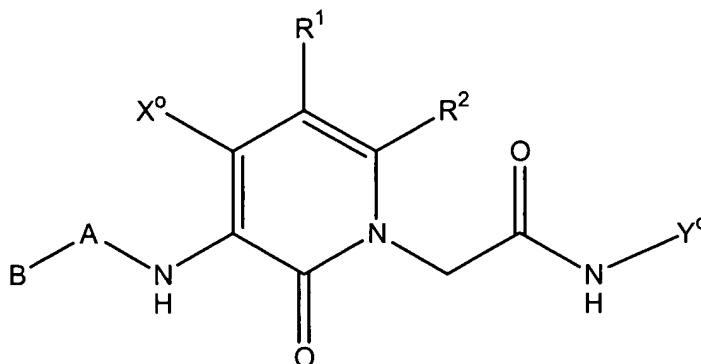
AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-16 (canceled)

Claim 17 (currently amended): A compound having the Formula:



or a pharmaceutically acceptable salt thereof, wherein;

B is selected from the group consisting of hydrido, C2-C8 alkyl, C3-C8 alkenyl, C3-C8 alkynyl, and C2-C8 haloalkyl, wherein each member of group B is optionally substituted at any carbon up to and including 6 atoms from the point of attachment of B to A with one or more of the group consisting of R³², R³³, R³⁴, R³⁵, and R³⁶;

R³², R³³, R³⁴, R³⁵, and R³⁶ are independently selected from the group consisting of hydrido, acetamido, haloacetamido, amidino, guanidino, alkoxy, hydroxy, amino, alkoxyamino, lower alkylamino, alkylthio, amidosulfonyl, monoalkyl amidosulfonyl, dialkyl amidosulfonyl, alkyl, halo, haloalkyl, haloalkoxy, hydroxyalkyl, carboalkoxy, carboxy, carboxamido, cyano, and Q^b;

A is selected from the group consisting of single covalent bond and (CH(R¹⁵))_{pa}-(W⁷)_{rr} wherein rr is an integer selected from 0 through 1, pa is an integer selected from 0 through 3, and W⁷ is selected from the group consisting of (R⁷)NC(O)

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and N(R⁷) with the proviso that no more than one of the group consisting of rr and pa is 0 at the same time;

R⁷ is selected from the group consisting of hydrido, hydroxy and alkyl;

R¹⁵ is selected from the group consisting of hydrido, halo, alkyl, and haloalkyl;

R¹ and X^o are independently selected from the group consisting of hydrido, hydroxy, hydroxyamino, amidino, amino, cyano, hydroxyalkyl, alkoxy, alkyl, alkylamino, aminoalkyl, alkylthio, alkoxyamino, haloalkyl, haloalkoxy, and halo;

R² is Z⁰-Q;

Z⁰ is ~~selected from the group consisting of a covalent single bond, -O-, -S-, -NH-, and CH₂-~~

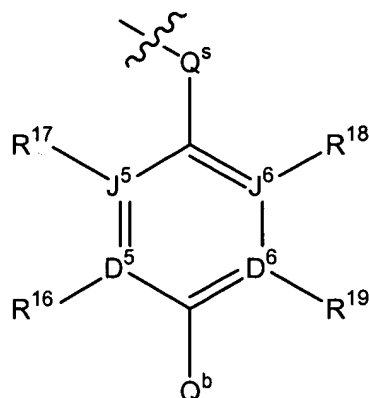
Q is ~~selected from the group consisting of aryl and heteroaryl~~, wherein (a) a ring carbon in a first alpha position relative to the ring carbon at the point of attachment is optionally substituted by R⁹, (b) a ring carbon in a second alpha position relative to the ring carbon at the point of attachment is optionally substituted by R¹³, (c) a ring carbon, in a first beta position relative to the ring carbon at the point of attachment and in an alpha position relative to the ring atom optionally substituted by R⁹, is optionally substituted by R¹⁰, (d) a ring carbon, in a second beta position relative to the ring carbon at the point of attachment and in an alpha position relative to the ring atom optionally substituted by R¹³, is optionally substituted by R¹², and (e) a ring carbon, if present, in the gamma position relative to the ring carbon at the point of attachment and in an alpha position relative to each of the ring atoms optionally substituted by R¹⁰ and R¹², respectively, is optionally substituted by R¹¹;

R⁹, R¹¹, and R¹³ are independently selected from the group consisting of hydrido, hydroxy, amino, amidino, guanidino, lower alkylamino, alkylthio, alkylsulfonamido, alkylsulfinyl, alkylsulfonyl, amidosulfonyl, monoalkyl amidosulfonyl, alkyl, alkoxy, halo, haloalkyl, haloalkoxy, hydroxyalkyl, carboxy, carboxamido, and cyano;

R¹⁰ and R¹² are independently selected from the group consisting of hydrido, acetamido, haloacetamido, amidino, guanidino, alkyl, alkoxy, hydroxy, amino, alkoxyamino, lower alkylamino, alkylsulfonamido, amidosulfonyl, monoalkyl amidosulfonyl, dialkyl amidosulfonyl, hydroxyalkyl, aminoalkyl, carboalkoxy, carboxy, carboxyalkyl, amidocarbonyl, halo, haloalkyl, and cyano;

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Y^0 is an aryl or heteroaryl of 5 or 6 ring members of the formula (IV):



(IV)

wherein D⁵, D⁶, J⁵, and J⁶ are independently selected from the group consisting of C **[[,]] and N provided, however, no more than one of D⁵, D⁶, J⁵, and J⁶ is nitrogen**; ~~O, S and a covalent bond with the provisos that no more than one is a covalent bond, no more than one of D⁵, D⁶, J⁵, and J⁶ is O, no more than one of D⁵, D⁶, J⁵, and J⁶ is S, one of D⁵, D⁶, J⁵, and J⁶ must be a covalent bond when two of D⁵, D⁶, J⁵, and J⁶ are O and S, and no more than four of D⁵, D⁶, J⁵, and J⁶ are N;~~

R¹⁶, R¹⁷, R¹⁸, and R¹⁹ are independently selected from the group consisting of hydrido, amidino, guanidino, carboxy, haloalkylthio, alkoxy, hydroxy, amino, lower alkylamino, alkylthio, alkylsulfinyl, alkylsulfonyl, alkanoyl, haloalkanoyl, alkyl, halo, haloalkyl, haloalkoxy, hydroxyalkyl, aminoalkyl, and cyano;

Q^b is selected from the group consisting of NR²⁰R²¹, hydrido, C(NR²⁵)NR²³R²⁴, and N(R²⁶)C(NR²⁵)N(R²³)(R²⁴), with the provisos that no more than one of R²⁰ and R²¹ is hydroxy and that no more than one of R²³ and R²⁴ is hydroxy;

R²⁰, R²¹, R²³, R²⁴, R²⁵, and R²⁶ are independently selected from the group consisting of hydrido, alkyl, and hydroxy; and

~~Q^s is selected from the group consisting of a single covalent bond **[[,]] or CH₂**; and CH₂CH₂.~~

Claim 18 (currently amended): The compound as recited in claim 17 or a pharmaceutically acceptable salt thereof, wherein;

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B is selected from the group consisting of hydrido, ethyl, 2-propynyl, 2-propenyl, propyl, isopropyl, butyl, 2-butenyl, 3-butenyl, 2-butylnyl, sec-butyl, *tert*-butyl, isobutyl, 2-methylpropenyl, 1-pentyl, 2-pentenyl, 3-pentenyl, 4-pentenyl, 2-pentynyl, 3-pentynyl, 2-pentyl, 1-methyl-2-butenyl, 1-methyl-3-butenyl, 1-methyl-2-butylnyl, 3-pentyl, 1-ethyl-2-propenyl, 2-methylbutyl, 2-methyl-2-butenyl, 2-methyl-3-butenyl, 2-methyl-3-butylnyl, 3-methylbutyl, 3-methyl-2-butenyl, 3-methyl-3-butenyl, 1-hexyl, 2-hexenyl, 3-hexenyl, 4-hexenyl, 5-hexenyl, 2-hexynyl, 3-hexynyl, 4-hexynyl, 2-hexyl, 1-methyl-2-pentenyl, 1-methyl-3-pentenyl, 1-methyl-4-pentenyl, 1-methyl-2-pentynyl, 1-methyl-3-pentynyl, 3-hexyl, 1-ethyl-2-butenyl, 1-ethyl-3-butenyl, 1-propyl-2-propenyl, 1-ethyl-2-butylnyl, 1-heptyl, 2-heptenyl, 3-heptenyl, 4-heptenyl, 5-heptenyl, 6-heptenyl, 2-heptylnyl, 3-heptylnyl, 4-heptylnyl, 5-heptylnyl, 2-heptyl, 1-methyl-2-hexenyl, 1-methyl-3-hexenyl, 1-methyl-4-hexenyl, 1-methyl-5-hexenyl, 1-methyl-2-hexynyl, 1-methyl-3-hexynyl, 1-methyl-4-hexynyl, 3-heptyl, 1-ethyl-2-pentenyl, 1-ethyl-3-pentenyl, 1-ethyl-4-pentenyl, 1-butyl-2-propenyl, 1-ethyl-2-pentynyl, 1-ethyl-3-pentynyl, 2,2,2-trifluoroethyl, 2,2-difluoropropyl, 4-trifluoromethyl-5,5,5-trifluoropentyl, 4-trifluoromethylpentyl, 5,5,6,6,6-pentafluorohexyl, and 3,3,3-trifluoropropyl, wherein each member of group B is optionally substituted at any carbon up to and including 5 atoms from the point of attachment of B to A with one or more of the group consisting of R³², R³³, R³⁴, R³⁵, and R³⁶;

R³², R³³, R³⁴, R³⁵, and R³⁶ are independently selected from the group consisting of hydrido, amidino, guanidino, carboxy, methoxy, ethoxy, isopropoxy, propoxy, hydroxy, amino, methoxyamino, ethoxyamino, acetamido, trifluoroacetamido, N-methylamino, dimethylamino, N-ethylamino, methylthio, ethylthio, isopropylthio, trifluoromethyl, pentafluoroethyl, 2,2,2-trifluoroethyl, 2,2,3,3,3-pentafluoropropyl, trifluoromethoxy, 1,1,2,2-tetrafluoroethoxy, fluoro, chloro, bromo, amidosulfonyl, N-methylamidosulfonyl, N,N-dimethylamidosulfonyl, hydroxymethyl, 1-hydroxyethyl, 2-hydroxyethyl, 2,2,2-trifluoro-1-hydroxyethyl, methoxycarbonyl, ethoxycarbonyl, ~~amidocarbonyl, N-methylamidocarbonyl, N,N-dimethylamidocarbonyl~~, cyano, and Q^b;

A is selected from the group consisting of single covalent bond, NH, N(CH₃), N(OH), CH₂, CH₃CH, CF₃CH, NHC(O), N(CH₃)C(O), C(O)NH, C(O)N(CH₃), CH₂CH₂, CH₂CH₂CH₂, CH₃CHCH₂, and CF₃CHCH₂;

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R^1 and X^0 are independently selected from the group consisting of hydrido, hydroxy, amino, amidino, hydroxyamino, aminomethyl, 1-aminoethyl, methylamino, dimethylamino, cyano, methyl, ethyl, trifluoromethyl, pentafluoroethyl, 2,2,2-trifluoroethyl, methoxy, hydroxymethyl, 1-hydroxyethyl, 2-hydroxyethyl, methoxyamino, methylthio, ethylthio, trifluoromethoxy, 1,1,2,2-tetrafluoroethoxy, fluoro, chloro, and bromo;

R^2 is Z^0 -Q;

Z^0 is selected from the group consisting of a covalent single bond, ~~O, S, NH, and~~ CH_2 ;

Q is ~~selected from the group consisting of phenyl and 2-thienyl, 3-thienyl, 2-furyl, 3-furyl, 2-pyrrolyl, 3-pyrrolyl, 2-imidazolyl, 4-imidazolyl, 3-pyrazolyl, 4-pyrazolyl, 2-thiazolyl, 3-isoxazolyl, 5-isoxazolyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, 2-pyrazinyl, 2-pyrimidinyl, 4-pyrimidinyl, 5-pyrimidinyl, 3-pyridazinyl, 4-pyridazinyl, and 1,3,5-triazin-2-yl heteroaryl rings;~~ wherein (a) a ring carbon in a first alpha position relative to the ring carbon at the point of attachment is optionally substituted by R^9 , (b) a ring carbon in a second alpha position relative to the ring carbon at the point of attachment is optionally substituted by R^{13} , (c) a ring carbon, in a first beta position relative to the ring carbon at the point of attachment and in an alpha position relative to the ring atom optionally substituted by R^9 , is optionally substituted by R^{10} , (d) a ring carbon, in a second beta position relative to the ring carbon at the point of attachment and in an alpha position relative to the ring atom optionally substituted by R^{13} , is optionally substituted by R^{12} , and (e) a ring carbon, ~~if present,~~ in the gamma position relative to the ring carbon at the point of attachment and in an alpha position relative to each of the ring atoms optionally substituted by R^{10} and R^{12} , respectively, is optionally substituted by R^{11} ;

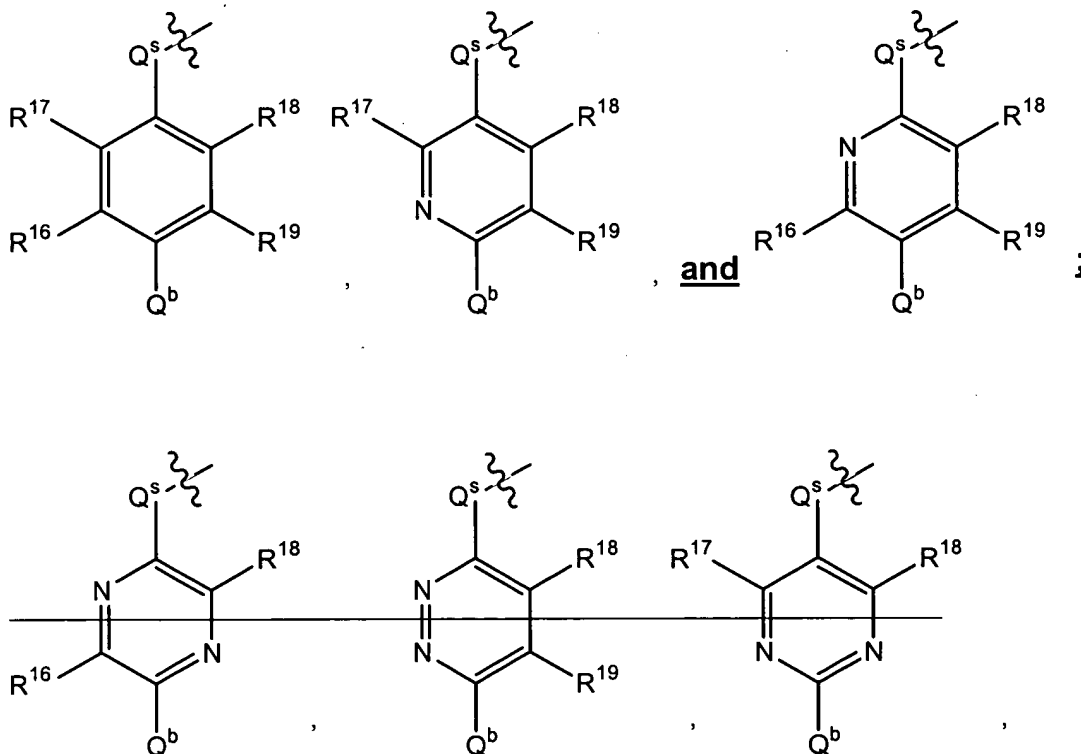
R^9 , R^{11} , and R^{13} are independently selected from the group consisting of hydrido, amidino, guanidino, carboxy, methyl, ethyl, propyl, isopropyl, methoxy, ethoxy, isopropoxy, propoxy, hydroxy, amino, N-methylamino, N,N-dimethylamino, N-ethylamino, methylthio, ethylthio, isopropylthio, trifluoromethyl, pentafluoroethyl, 2,2,2-trifluoroethyl, 2,2,3,3,3-pentafluoropropyl, trifluoromethoxy, 1,1,2,2-tetrafluoroethoxy, fluoro, chloro, bromo, methanesulfonamido, amidosulfonyl,

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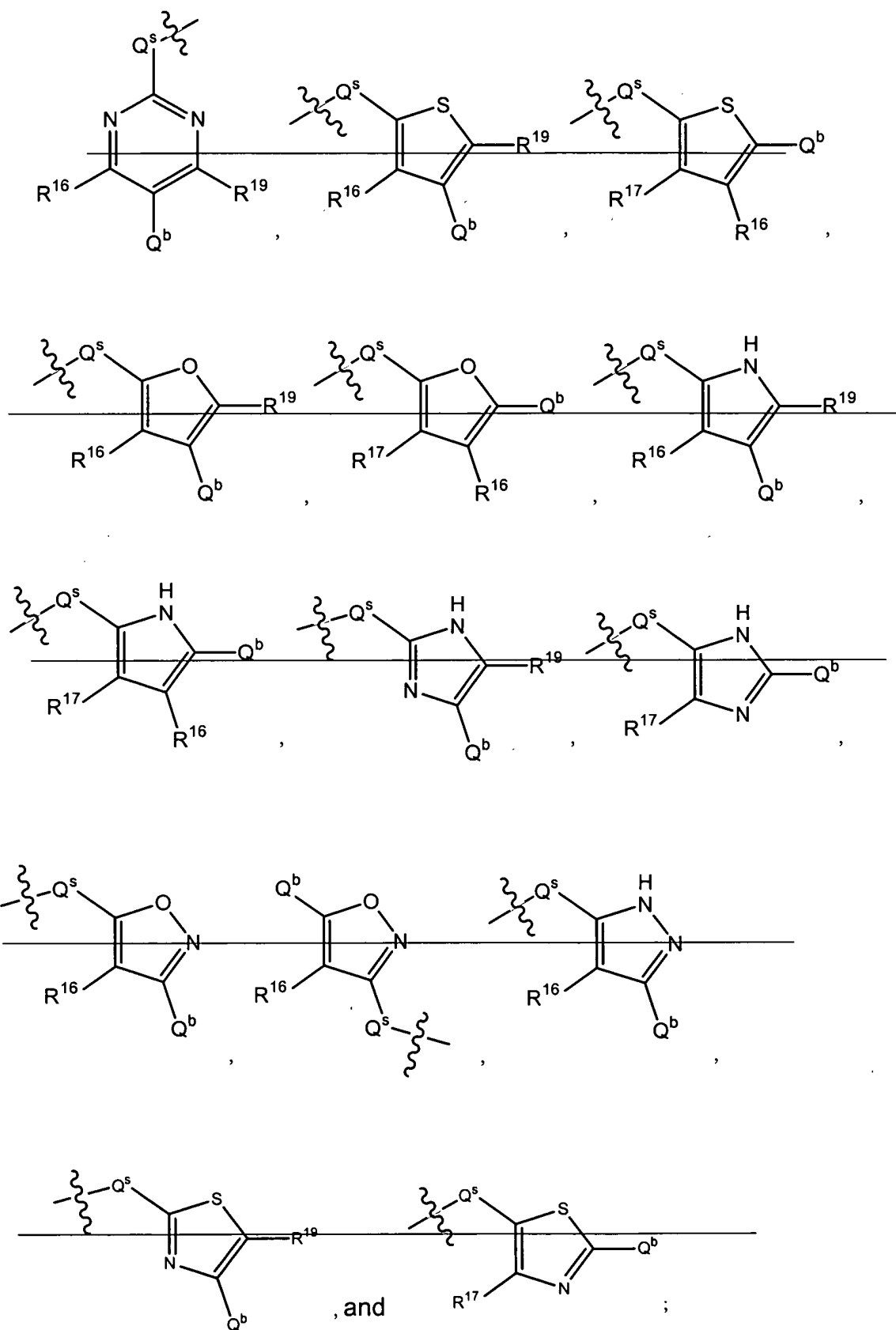
N-methylamidossulfonyl, N,N-dimethylamidossulfonyl, hydroxymethyl, 1-hydroxyethyl, 2-hydroxyethyl, 2,2,2-trifluoro-1-hydroxyethyl, amidocarbonyl, N-methylamidocarbonyl, N,N-dimethylamidocarbonyl, and cyano;

R^{10} and R^{12} are independently selected from the group consisting of hydrido, amidino, guanidino, carboxy, carboxymethyl, methyl, ethyl, propyl, isopropyl, methoxy, ethoxy, isopropoxy, propoxy, hydroxy, amino, methoxyamino, ethoxyamino, acetamido, trifluoroacetamido, aminomethyl, 1-aminoethyl, 2-aminoethyl, N-methylamino, dimethylamino, N-ethylamino, methanesulfonamido, amidossulfonyl, N-methylamidossulfonyl, N,N-dimethylamidossulfonyl, hydroxymethyl, 1-hydroxyethyl, 2-hydroxyethyl, 2,2,2-trifluoro-1-hydroxyethyl, methoxycarbonyl, ethoxycarbonyl, amidocarbonyl, N-methylamidocarbonyl, N,N-dimethylamidocarbonyl, fluoro, chloro, bromo, and cyano;

Y^0 is selected from the group consisting of:



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R^{16} , R^{17} , R^{18} , and R^{19} are independently selected from the group consisting of hydrido, methyl, ethyl, isopropyl, propyl, carboxy, amidino, guanidino, methoxy, ethoxy, isopropoxy, propoxy, hydroxy, amino, aminomethyl, 1-aminoethyl, 2-aminoethyl, N-methylamino, dimethylamino, N-ethylamino, methylthio, ethylthio, isopropylthio, trifluoromethylthio, methylsulfinyl, ethylsulfinyl, methylsulfonyl, ethylsulfonyl, trifluoromethyl, pentafluoroethyl, 2,2,2-trifluoroethyl, 2,2,3,3,3-pentafluoropropyl, trifluoromethoxy, 1,1,2,2-tetrafluoroethoxy, fluoro, chloro, bromo, amidosulfonyl, N-methylamidosulfonyl, N,N-dimethylamidosulfonyl, hydroxymethyl, 1-hydroxyethyl, 2-hydroxyethyl, 2,2,2-trifluoro-1-hydroxyethyl, and cyano;

Q^b is selected from the group consisting of $NR^{20}R^{21}$, hydrido, $C(NR^{25})NR^{23}R^{24}$, and $N(R^{26})C(NR^{25})N(R^{23})(R^{24})$, with the provisos that no more than one of R^{20} and R^{21} is hydroxy and that no more than one of R^{23} and R^{24} is hydroxy;

R^{20} , R^{21} , R^{23} , R^{24} , R^{25} , and R^{26} are independently selected from the group consisting of hydrido, methyl, ethyl, propyl, butyl, isopropyl, and hydroxy; and

Q^s is ~~selected from the group consisting of~~ a single covalent bond ~~[[,]]~~ or CH_2 ; ~~and CH_2CH_2 .~~

Claim 19 (currently amended): The compound as recited in claim 18 or a pharmaceutically acceptable salt thereof, wherein;

B is selected from the group consisting of hydrido, ethyl, 2-propenyl, 2-propynyl, propyl, isopropyl, butyl, 2-butyl, (R)-2-butyl, (S)-2-butyl, *tert*-butyl, isobutyl, 1-pentyl, 3-pentyl, 2-methylbutyl, 2,2,2-trifluoroethyl, ~~6-amidocarbonylhexyl~~, 4-methyl-2-pentyl, 3-hydroxypropyl, 3-methoxy-2-propyl, 2-methoxyethyl, 2-methyl-2-butyl, 3-methyl-2-butyl, 2-dimethylaminopropyl, 2-cyanoethyl, 6-hydroxyhexyl, 2-hydroxyethyl, 2-amidinoethyl, 2-guanidinoethyl, 3-guanidinopropyl, 4-guanidinobutyl, 3-hydroxypropyl, 4-hydroxybutyl, 6-cyanoethyl, 2-dimethylaminoethyl, 3-methylbutyl, 2-methylbutyl, (S)-2-methylbutyl, 3-aminopropyl, 2-hexyl, and 4-aminobutyl;

A is selected from the group consisting of single covalent bond, CH_2 , $NHC(O)$, CH_2CH_2 , $CH_2CH_2CH_2$, and CH_3CHCH_2 ;

R^1 and X^0 are independently selected from the group consisting of hydrido, hydroxy, amino, amidino, hydroxyamino, aminomethyl, methylamino, cyano, methyl,

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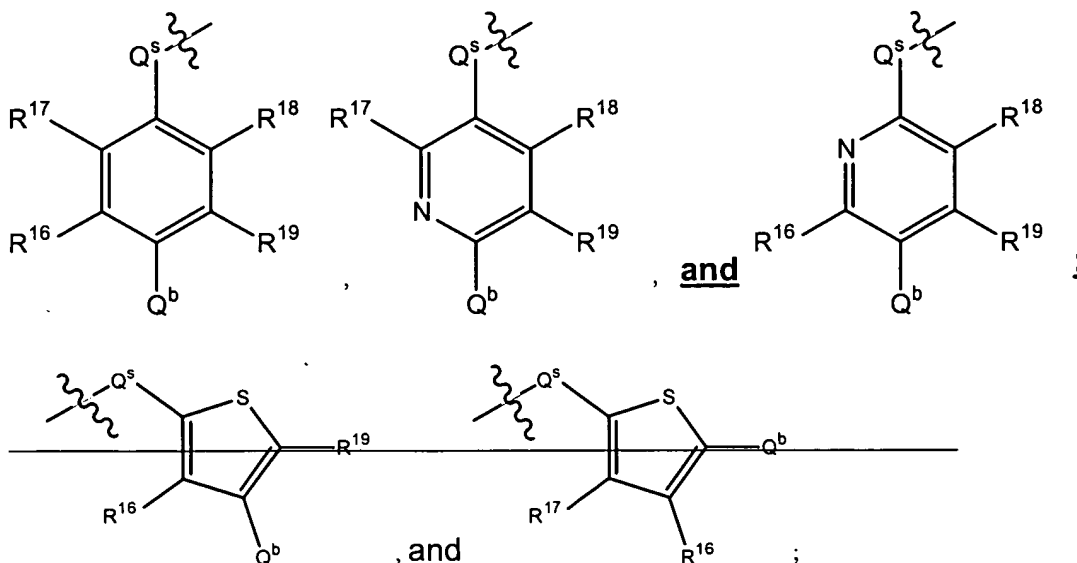
trifluoromethyl, methoxy, hydroxymethyl, methoxyamino, methylthio, trifluoromethoxy, fluoro, and chloro;

R^2 is Z^0 -Q;

Z^0 is selected from the group consisting of a covalent single bond, O, S, NH, and CH_2 ;

Q is selected from the group consisting of 5-amino-3-amidocarbonylphenyl, 5-amino-2-fluorophenyl, 3-amino-5-hydroxymethylphenyl, 5-amino-3-methoxycarbonylphenyl, 3-amidinophenyl, 3-amino-2-methylphenyl, 5-amino-2-methylthiophenyl, 3-aminophenyl, benzyl, 3-carboxyphenyl, 3-carboxy-5-aminophenyl, 3-carboxy-5-hydroxyphenyl, 3-carboxymethyl-5-aminophenyl, 3-carboxymethyl-5-hydroxyphenyl, 3-carboxymethylphenyl, 3-chlorophenyl, 2-chlorophenyl, 2,6-dichlorophenyl, 3-cyanophenyl, 3-dimethylaminophenyl, 2-fluorophenyl, 3-fluorophenyl, 2,5-difluorophenyl, 2-hydroxyphenyl, 3-hydroxyphenyl, 3-methanesulfonylaminophenyl, 2-methoxyphenyl, 3-methoxyphenyl, 3-methoxyaminophenyl, 3-methoxycarbonylphenyl, 2-methylaminophenyl, 3-methylaminophenyl, 2-methylphenyl, 3-methylphenyl, 4-methylphenyl, phenyl, 3-trifluoroacetamidophenyl, 3-trifluoromethylphenyl, and 2-trifluoromethylphenyl, ~~5-amino-2-thienyl, 5-amino-3-thienyl, 3-bromo-2-thienyl, 3-pyridyl, 4-pyridyl, 2-thienyl, and 3-thienyl;~~

Y^0 is selected from the group consisting of:



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R^{16} and R^{19} are independently selected from the group consisting of hydrido, amidino, amino, aminomethyl, methoxy, methylamino, hydroxy, hydroxymethyl, fluoro, chloro, and cyano;

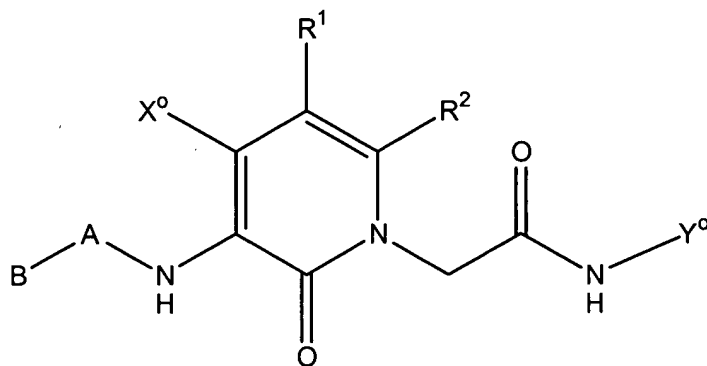
R^{17} and R^{18} are independently selected from the group consisting of hydrido, fluoro, chloro, hydroxy, hydroxymethyl, amino, carboxy, and cyano;

Q^b is selected from the group consisting of hydrido and $C(NR^{25})NR^{23}R^{24}$;

R^{23} , R^{24} , and R^{25} are independently selected from the group consisting of hydrido and methyl; and

Q^s is CH_2 .

Claim 20 (currently amended): The compound as recited in claim 17 having the Formula:



or a pharmaceutically acceptable salt thereof, wherein;

B is selected from the group consisting of hydrido, C2-C8 alkyl, C3-C8 alkenyl, C3-C8 alkynyl, and C2-C8 haloalkyl, wherein each member of group B is optionally substituted at any carbon up to and including 6 atoms from the point of attachment of B to A with one or more of the group consisting of R^{32} , R^{33} , R^{34} , R^{35} , and R^{36} ;

R^{32} , R^{33} , R^{34} , R^{35} , and R^{36} are independently selected from the group consisting of hydrido, acetamido, haloacetamido, amidino, guanidino, alkoxy, hydroxy, amino, alkoxyamino, lower alkylamino, alkylthio, amidosulfonyl, monoalkyl amidosulfonyl, dialkyl amidosulfonyl, alkyl, halo, haloalkyl, haloalkoxy, hydroxyalkyl, carboalkoxy, carboxy, carboxamido, cyano, and Q^b ;

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A is selected from the group consisting of single covalent bond and $(\text{CH}(\text{R}^{15}))_{\text{pa}}-(\text{W}^7)_{\text{rr}}$, wherein rr is an integer selected from 0 through 1, pa is an integer selected from 0 through 3, and W^7 is $\text{N}(\text{R}^7)$;

R^7 is selected from the group consisting of hydrido and alkyl;

R^{15} is selected from the group consisting of hydrido, halo, alkyl, and haloalkyl;

R^1 and X^0 are independently selected from the group consisting of hydrido, hydroxy, hydroxyamino, amidino, amino, cyano, hydroxyalkyl, alkoxy, alkyl, alkylamino, aminoalkyl, alkylthio, alkoxyamino, haloalkyl, haloalkoxy, and halo;

R^2 is $\text{Z}^0\text{-Q}$;

Z^0 is a covalent single bond;

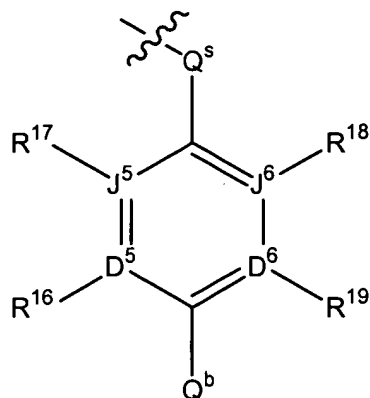
Q is ~~selected from the group consisting of aryl and heteroaryl~~ wherein (a) a ring carbon in a first alpha position relative to the ring carbon at the point of attachment is optionally substituted by R^9 , (b) a ring carbon in a second alpha position relative to the ring carbon at the point of attachment is optionally substituted by R^{13} , (c) a ring carbon, in a first beta position relative to the ring carbon at the point of attachment and in an alpha position relative to the ring atom optionally substituted by R^9 , is optionally substituted by R^{10} , (d) a ring carbon, in a second beta position relative to the ring carbon at the point of attachment and in an alpha position relative to the ring atom optionally substituted by R^{13} , is optionally substituted by R^{12} , and (e) a ring carbon, if present, in the gamma position relative to the ring carbon at the point of attachment and in an alpha position relative to each of the ring atoms optionally substituted by R^{10} and R^{12} , respectively, is optionally substituted by R^{11} ;

R^9 , R^{11} , and R^{13} are independently selected from the group consisting of hydrido, hydroxy, amino, amidino, guanidino, lower alkylamino, alkylthio, alkoxy, alkylsulfinyl, alkylsulfonyl, amidosulfonyl, monoalkylamid sulfonyl, alkyl, halo, haloalkyl, haloalkoxy, hydroxyalkyl, carboxy, carboxamido, and cyano;

R^{10} and R^{12} are independently selected from the group consisting of hydrido, acetamido, haloacetamido, amidino, guanidino, alkyl, alkoxy, alkoxyamino, aminoalkyl, hydroxy, amino, lower alkylamino, alkylsulfonamido, amidosulfonyl, monoalkyl amidosulfonyl, dialkyl amidosulfonyl, hydroxyalkyl, aminoalkyl, halo, haloalkyl, carboalkoxy, carboxy, carboxyamido, carboxyalkyl, and cyano;

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Y^0 is an aryl or heteroaryl of 5 or 6 ring members of the formula (IV):



(IV)

wherein D^5 , D^6 , J^5 , and J^6 are independently selected from the group consisting of C [[,]] and N provided, however, no more than one of D^5 , D^6 , J^5 , and J^6 is nitrogen; ~~O, S and a covalent bond with the provisos that no more than one is a covalent bond, no more than one of D^5 , D^6 , J^5 , and J^6 is O, no more than one of D^5 , D^6 , J^5 , and J^6 is S, one of D^5 , D^6 , J^5 , and J^6 must be a covalent bond when two of D^5 , D^6 , J^5 , and J^6 are O and S, and no more than four of D^5 , D^6 , J^5 , and J^6 are N;~~

R^{16} , R^{17} , R^{18} , and R^{19} are independently selected from the group consisting of hydrido, amidino, guanidino, carboxy, haloalkylthio, alkoxy, hydroxy, amino, lower alkylamino, alkylthio, alkylsulfinyl, alkylsulfonyl, alkanoyl, haloalkanoyl, alkyl, halo, haloalkyl, haloalkoxy, hydroxyalkyl, aminoalkyl, and cyano;

Q^b is selected from the group consisting of $NR^{20}R^{21}$, hydrido, $N(R^{26})C(NR^{25})N(R^{23})(R^{24})$, and $C(NR^{25})NR^{23}R^{24}$;

R^{20} , R^{21} , R^{23} , R^{24} , R^{25} , and R^{26} are independently selected from the group consisting of hydrido and alkyl; and

Q^s is CH_2 .

Claim 21 (currently amended): The compound as recited in claim 17 or a pharmaceutically acceptable salt thereof, wherein;

B is selected from the group consisting of hydrido, ethyl, 2-propenyl, 2-propynyl, propyl, isopropyl, butyl, 2-butenyl, 2-butylnyl, sec-butyl, *tert*-butyl, isobutyl,

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2-methylpropenyl, 1-pentyl, 2-pentenyl, 3-pentenyl, 2-pentynyl, 3-pentynyl, 2-pentyl, 3-pentyl, 2-methylbutyl, 2-methyl-2-butenyl, 3-methylbutyl, 3-methyl-2-butenyl, 1-hexyl, 2-hexenyl, 3-hexenyl, 4-hexenyl, 2-hexynyl, 3-hexynyl, 4-hexynyl, 2-hexyl, 1-methyl-2-pentenyl, 1-methyl-3-pentenyl, 1-methyl-2-pentynyl, 1-methyl-3-pentynyl, 3-hexyl, 1-ethyl-2-butenyl, 1-heptyl, 2-heptenyl, 3-heptenyl, 4-heptenyl, 5-heptenyl, 2-heptynyl, 3-heptynyl, 4-heptynyl, 5-heptynyl, 2-heptyl, 1-methyl-2-hexenyl, 1-methyl-3-hexenyl, 1-methyl-4-hexenyl, 1-methyl-2-hexynyl, 1-methyl-3-hexynyl, 1-methyl-4-hexynyl, 3-heptyl, 1-ethyl-2-pentenyl, 1-ethyl-3-pentenyl, 1-ethyl-2-pentynyl, 1-ethyl-3-pentynyl, 2,2,2-trifluoroethyl, 2,2-difluoropropyl, 4-trifluoromethyl-5,5,5-trifluoropentyl, 4-trifluoromethylpentyl, 5,5,6,6,6-pentafluorohexyl, and 3,3,3-trifluoropropyl, wherein each member of group B is optionally substituted at any carbon up to and including 5 atoms from the point of attachment of B to A with one or more of the group consisting of R^{32} , R^{33} , R^{34} , R^{35} , and R^{36} ;

R^{32} , R^{33} , R^{34} , R^{35} , and R^{36} are independently selected from the group consisting of hydrido, amidino, guanidino, methyl, ethyl, methoxy, ethoxy, hydroxy, amino, N-methylamino, dimethylamino, methylthio, ethylthio, trifluoromethyl, pentafluoroethyl, 2,2,2-trifluoroethyl, fluoro, chloro, bromo, amidosulfonyl, N-methylamidulosulfonyl, hydroxymethyl, ~~amidocarbonyl~~, carboxy, cyano, and Q^b ;

A is selected from the group consisting of:

- (i) a single covalent bond, NH, $N(CH_3)$, CH_2 , CH_3CH , and CH_2CH_2 ; and
- (ii) $CH_2N(CH_3)$, $CH_2N(CH_2CH_3)$, $CH_2CH_2N(CH_3)$, and $CH_2CH_2N(CH_2CH_3)$

with the proviso that B is hydrido;

X^0 is selected from the group consisting of hydrido, hydroxy, amino, amidino, aminomethyl, cyano, methyl, trifluoromethyl, hydroxymethyl, and fluoro;

R^1 is selected from the group consisting of hydrido, hydroxy, amino, aminomethyl, methylamino, cyano, methyl, trifluoromethyl, methoxy, methylthio, trifluoromethoxy, fluoro, and chloro;

R^2 is ~~selected from the group consisting of phenyl and 2-thienyl, 2-furyl, 2-pyrrolyl, 2-imidazolyl, 2-thiazolyl, 3-isoxazolyl, 2-pyridyl, and 3-pyridyl heteroaryl rings,~~ wherein (a) a ring carbon in a first alpha position relative to the ring carbon at the point of attachment is optionally substituted by R^9 , (b) a ring carbon in a second alpha

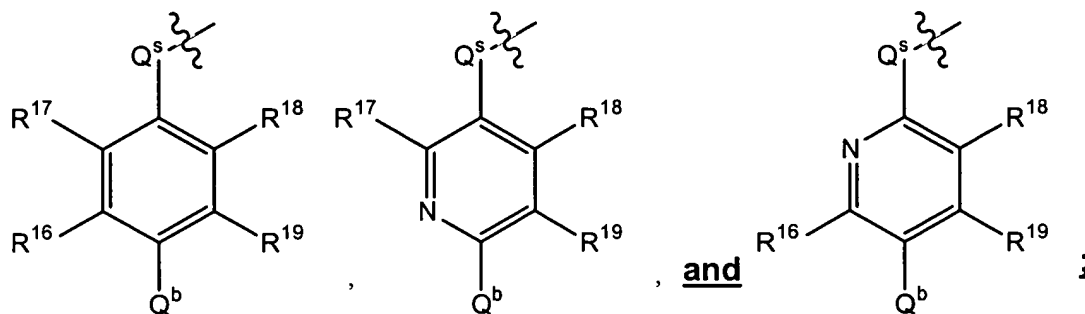
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position relative to the ring carbon at the point of attachment is optionally substituted by R^{13} , (c) a ring carbon, in a first beta position relative to the ring carbon at the point of attachment and in an alpha position relative to the ring atom optionally substituted by R^9 , is optionally substituted by R^{10} , (d) a ring carbon, in a second beta position relative to the ring carbon at the point of attachment and in an alpha position relative to the ring atom optionally substituted by R^{13} , is optionally substituted by R^{12} , and (e) a ring carbon, ~~if present~~, in the gamma position relative to the ring carbon at the point of attachment and in an alpha position relative to each of the ring atoms optionally substituted by R^{10} and R^{12} , respectively, is optionally substituted by R^{11} ;

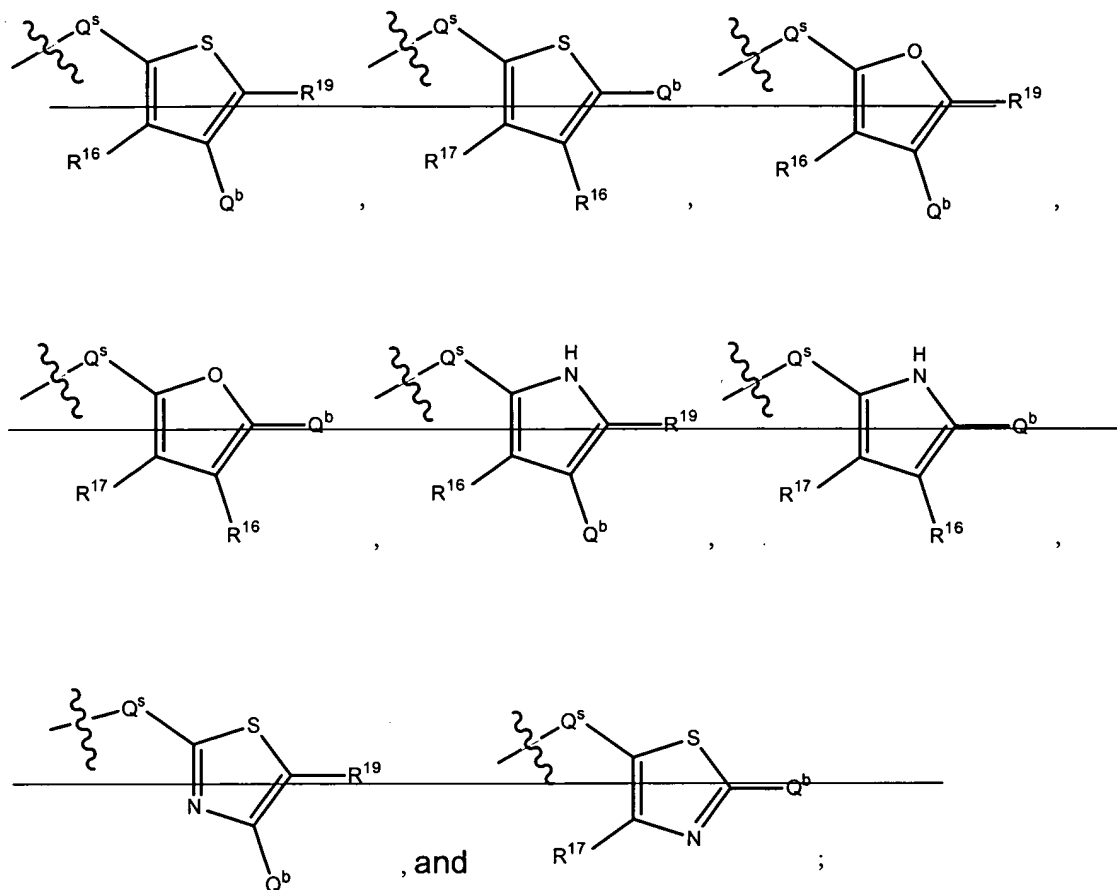
R^9 , R^{11} , and R^{13} are independently selected from the group consisting of hydrido, methyl, ethyl, methoxy, ethoxy, hydroxy, amino, N-methylamino, N,N-dimethylamino, methylthio, trifluoromethyl, pentafluoroethyl, 2,2,2-trifluoroethyl, fluoro, chloro, bromo, amidosulfonyl, N-methylamidosulfonyl, N,N-dimethylamidosulfonyl, hydroxymethyl, 1-hydroxyethyl, amidocarbonyl, N-methylamidocarbonyl, carboxy, and cyano;

R^{10} and R^{12} are independently selected from the group consisting of hydrido, amidino, amidocarbonyl, N-methylamidocarbonyl, guanidino, methyl, ethyl, methoxy, ethoxy, hydroxy, hydroxymethyl, 1-hydroxyethyl, 2-hydroxyethyl, carboxy, carboxymethyl, amino, acetamido, trifluoromethyl, pentafluoroethyl, 2,2,2-trifluoroethyl, trifluoroacetamido, aminomethyl, N-methylamino, dimethylamino, amidosulfonyl, N-methylamidosulfonyl, N,N-dimethylamidosulfonyl, methoxycarbonyl, fluoro, chloro, bromo, and cyano;

Y^0 is selected from the group consisting of:



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R¹⁶, R¹⁷, R¹⁸, and R¹⁹ are independently selected from the group consisting of hydrido, methyl, ethyl, amidino, guanidino, methoxy, hydroxy, amino, aminomethyl, 1-aminoethyl, 2-aminoethyl, N-methylamino, dimethylamino, methylthio, ethylthio, trifluoromethylthio, methylsulfinyl, methylsulfonyl, trifluoromethyl, pentafluoroethyl, 2,2,2-trifluoroethyl, trifluoromethoxy, fluoro, chloro, amidosulfonyl, N-methylamid sulfonyl, hydroxymethyl, carboxy, and cyano;

Q^b is selected from the group consisting of NR²⁰R²¹, C(NR²⁵)NR²³R²⁴, and N(R²⁶)C(NR²⁵)N(R²³)(R²⁴);

R²⁰, R²¹, R²³, R²⁴, R²⁵, and R²⁶ are independently selected from the group consisting of hydrido, methyl, and ethyl; and

Q^s is CH₂.

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Claim 22 (currently amended): The compound as recited in claim 21 or a pharmaceutically acceptable salt thereof, wherein;

B is selected from the group consisting of hydrido, ethyl, 2-propenyl, 2-propynyl, propyl, isopropyl, butyl, 2-butyl, (R)-2-butyl, (S)-2-butyl, *tert*-butyl, isobutyl, 1-pentyl, 3-pentyl, 2-methylbutyl, 2,2,2-trifluoroethyl, 6-amidocarbonylhexyl, 4-methyl-2-pentyl, 3-hydroxypropyl, 3-methoxy-2-propyl, 2-methoxyethyl, 2-methyl-2-butyl, 3-methyl-2-butyl, 2-dimethylaminopropyl, 2-cyanoethyl, 6-hydroxyhexyl, 2-hydroxyethyl, 2-amidinoethyl, 2-guanidinoethyl, 3-guanidinopropyl, 4-guanidinobutyl, 3-hydroxypropyl, 4-hydroxybutyl, 6-cyanoethyl, 2-dimethylaminoethyl, 3-methylbutyl, 2-methylbutyl, (S)-2-methylbutyl, 3-aminopropyl, 2-hexyl, and 4-aminobutyl;

A is selected from the group consisting of single covalent bond, CH₂, CH₃CH, and CH₂CH₂;

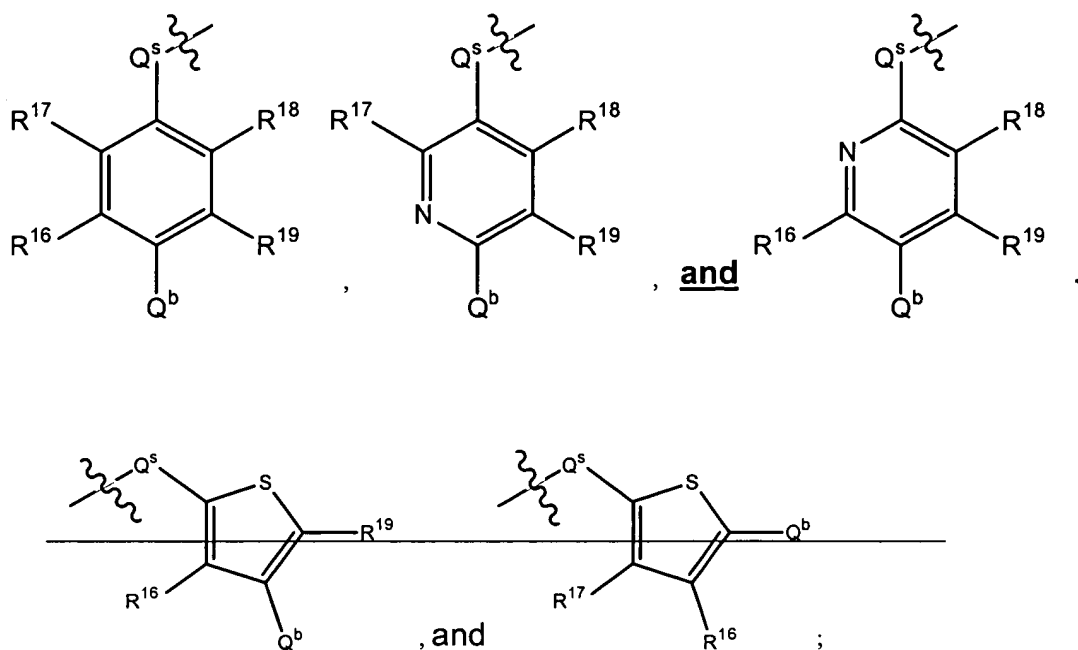
X⁰ is selected from the group consisting of hydrido, hydroxy, amino, amidino, aminomethyl, cyano, methyl, trifluoromethyl, hydroxymethyl, and fluoro;

R¹ is selected from the group consisting of hydrido, hydroxy, amino, aminomethyl, cyano, methyl, trifluoromethyl, and fluoro;

R² is selected from the group consisting of 5-amino-3-amidocarbonylphenyl, 5-amino-2-fluorophenyl, 3-amino-5-hydroxymethylphenyl, 5-amino-3-methoxycarbonylphenyl, 3-amidinophenyl, 3-amino-2-methylphenyl, 5-amino-2-methylthiophenyl, 3-aminophenyl, benzyl, 3-carboxyphenyl, 3-carboxy-5-aminophenyl, 3-carboxy-5-hydroxyphenyl, 3-carboxymethyl-5-aminophenyl, 3-carboxymethyl-5-hydroxyphenyl, 3-carboxymethylphenyl, 3-chlorophenyl, 2-chlorophenyl, 2,6-dichlorophenyl, 3-cyanophenyl, 3-dimethylaminophenyl, 2-fluorophenyl, 3-fluorophenyl, 2,5-difluorophenyl, 2-hydroxyphenyl, 3-hydroxyphenyl, 3-methanesulfonylaminophenyl, 2-methoxyphenyl, 3-methoxyphenyl, 3-methoxyaminophenyl, 3-methoxycarbonylphenyl, 2-methylaminophenyl, 3-methylaminophenyl, 2-methylphenyl, 3-methylphenyl, 4-methylphenyl, phenyl, 3-trifluoroacetamidophenyl, 3-trifluoromethylphenyl, and 2-trifluoromethylphenyl, ~~5-amino-2-thienyl, 5-amino-3-thienyl, 3-bromo-2-thienyl, 3-pyridyl, 4-pyridyl, 2-thienyl, and 3-thienyl;~~

Y⁰ is selected from the group consisting of:

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R^{16} and R^{19} are independently selected from the group consisting of hydrido, amidino, amino, aminomethyl, methoxy, methylamino, hydroxy, hydroxymethyl, fluoro, chloro, and cyano;

R^{17} and R^{18} are independently selected from the group consisting of hydrido, fluoro, chloro, hydroxy, hydroxymethyl, amino, carboxy, and cyano;

Q^b is selected from the group consisting of hydrido and $C(NR^{25})NR^{23}R^{24}$;

R^{23} , R^{24} , and R^{25} are independently selected from the group consisting of hydrido and methyl; and

Q^s is CH_2 .

Claim 23 (currently amended): The compound as recited in claim 22 or a pharmaceutically acceptable salt thereof, wherein;

B is selected from the group consisting of hydrido, ethyl, 2-propenyl, 2-propynyl, propyl, isopropyl, butyl, 2-butyl, (R)-2-butyl, (S)-2-butyl, *tert*-butyl, isobutyl, 1-pentyl, 3-pentyl, 2-methylbutyl, 2,2,2-trifluoroethyl, 6-amidocarbonylhexyl, 4-methyl-2-pentyl, 3-hydroxypropyl, 3-methoxy-2-propyl, 2-methoxyethyl, 2-methyl-2-butyl, 3-methyl-2-butyl, 2-dimethylaminopropyl, 2-cyanoethyl, 6-hydroxyhexyl, 2-hydroxyethyl,

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2-amidinoethyl, 2-guanidinoethyl, 3-guanidinopropyl, 4-guanidinobutyl, 3-hydroxypropyl, 4-hydroxybutyl, 6-cyanoethyl, 2-dimethylaminoethyl, 3-methylbutyl, 2-methylbutyl, (S)-2-methylbutyl, 3-aminopropyl, 2-hexyl, and 4-aminobutyl;

A is selected from the group consisting of single covalent bond, CH₂, CH₃CH, and CH₂CH₂;

X⁰ is selected from the group consisting of hydrido, hydroxy, amino, amidino, aminomethyl, cyano, methyl, trifluoromethyl, hydroxymethyl, and fluoro;

R¹ is selected from the group consisting of hydrido, hydroxy, amino, aminomethyl, cyano, methyl, trifluoromethyl, and fluoro;

R² is selected from the group consisting of 5-amino-2-fluorophenyl, 3-amino-2-methylphenyl, 5-amino-2-methylthiophenyl, 3-aminophenyl, 3-carboxyphenyl, 3-cyanophenyl, 3-methoxycarbonylphenyl, and phenyl, ~~and 3-pyridyl~~; and

Y⁰ is selected from the group consisting of 5-amidino-2-thienylmethyl, 4-amidinobenzyl, 2-fluoro-4-amidinobenzyl, and 3-fluoro-4-amidinobenzyl.

Claim 24 (currently amended): The compound of claim 17, or a pharmaceutically acceptable salt thereof, wherein:

R² is 3-aminophenyl, B is 2,2,2-trifluoroethyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is hydrido, and X⁰ is hydrido;

R² is 3-aminophenyl, B is (S)-2-butyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is hydrido, and X⁰ is hydrido;

R² is 5-amino-2-fluorophenyl, B is isopropyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is hydrido, and X⁰ is hydrido;

R² is 2-methyl-3-aminophenyl, B is isopropyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is hydrido, and X⁰ is hydrido;

R² is 3-aminophenyl, B is ethyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is hydrido, and X⁰ is hydrido;

R² is 3-aminophenyl, B is ethyl, A is single bond, Y⁰ is 4-amidino-2-fluorobenzyl, R¹ is hydrido, and X⁰ is hydrido;

R² is 3-aminophenyl, B is 2-propenyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is hydrido, and X⁰ is hydrido;

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R² is 3-aminophenyl, B is isopropyl, A is single bond, Y⁰ is 4-amidino-2-fluorobenzyl, R¹ is hydrido, and X⁰ is hydrido;

R² is 3-aminophenyl, B is isopropyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is hydrido, and X⁰ is hydrido;

R² is 3-aminophenyl, B is 2-butyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is hydrido, and X⁰ is hydrido;

R² is 3-aminophenyl, B is (R)-2-butyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is hydrido, and X⁰ is hydrido;

R² is 3-aminophenyl, B is 2-propynyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is hydrido, and X⁰ is hydrido;

R² is 3-aminophenyl, B is 3-pentyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is hydrido, and X⁰ is hydrido;

R² is 3-aminophenyl, B is hydrido, A is CH₂, Y⁰ is 4-amidinobenzyl, R¹ is hydrido, and X⁰ is hydrido;

R² is 3-aminophenyl, B is ethyl, A is CH₂, Y⁰ is 4-amidinobenzyl, R¹ is hydrido, and X⁰ is hydrido;

R² is 3-aminophenyl, B is 2-methypropyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is hydrido, and X⁰ is hydrido;

R² is 3-aminophenyl, B is 2-propyl, A is CH₃CH, Y⁰ is 4-amidinobenzyl, R¹ is hydrido, and X⁰ is hydrido;

R² is 3-aminophenyl, B is propyl, A is single bond, Y⁰ is 4-amidino-2-fluorobenzyl, R¹ is hydrido, and X⁰ is hydrido;

~~R² is 3-aminophenyl, B is 6-amidocarbonylhexyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is hydrido, and X⁰ is hydrido;~~

R² is 3-aminophenyl, B is tert-butyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is hydrido, and X⁰ is hydrido;

R² is 3-aminophenyl, B is tert-butyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is hydrido, and X⁰ is hydrido;

R² is 3-aminophenyl, B is 3-hydroxypropyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is hydrido, and X⁰ is hydrido;

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R² is 3-aminophenyl, B is 2-methylpropyl, A is single bond, Y⁰ is 4-amidino-2-fluorobenzyl, R¹ is hydrido, and X⁰ is hydrido;

R² is 3-aminophenyl, B is butyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is hydrido, and X⁰ is hydrido;

R² is 3-aminophenyl, B is 3-methoxy-2-propyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is hydrido, and X⁰ is hydrido;

R² is 3-aminophenyl, B is 3-methoxy-2-propyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is hydrido, and X⁰ is hydrido;

R² is 3-aminophenyl, B is 2-methoxy-2-ethyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is hydrido, and X⁰ is hydrido;

R² is 3-aminophenyl, B is 2-propyl, A is single bond, Y⁰ is 5-amidino-2-thienylmethyl, R¹ is hydrido, and X⁰ is hydrido;

R² is 3-aminophenyl, B is 2-propyl, A is single bond, Y⁰ is 4-amidino-3-fluorobenzyl, R¹ is hydrido, and X⁰ is hydrido;

R² is 3-carboxyphenyl, B is 2-propyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is hydrido, and X⁰ is hydrido;

R² is 3-aminophenyl, B is 2-propyl, A is single bond, Y⁰ is 4-amidino-3-fluorobenzyl, R¹ is hydrido, and X⁰ is hydrido;

R² is 3-aminophenyl, B is 2,2,2-trifluoroethyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is aminomethyl, and X⁰ is hydrido;

R² is 3-aminophenyl, B is (S)-2-butyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is aminomethyl, and X⁰ is hydrido;

R² is 5-amino-2-fluorophenyl, B is isopropyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is aminomethyl, and X⁰ is hydrido;

R² is 2-methyl-3-aminophenyl, B is isopropyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is aminomethyl, and X⁰ is hydrido;

R² is 3-aminophenyl, B is ethyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is aminomethyl, and X⁰ is hydrido;

R² is 3-aminophenyl, B is ethyl, A is single bond, Y⁰ is 4-amidino-2-fluorobenzyl, R¹ is aminomethyl, and X⁰ is hydrido;

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R² is 3-aminophenyl, B is 2-propenyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is aminomethyl, and X⁰ is hydrido;

R² is 3-aminophenyl, B is isopropyl, A is single bond, Y⁰ is 4-amidino-2-fluorobenzyl, R¹ is aminomethyl, and X⁰ is hydrido;

R² is 3-aminophenyl, B is isopropyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is aminomethyl, and X⁰ is hydrido;

R² is 3-aminophenyl, B is 2-butyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is aminomethyl, and X⁰ is hydrido;

R² is 3-aminophenyl, B is (R)-2-butyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is aminomethyl, and X⁰ is hydrido;

R² is 3-aminophenyl, B is 2-propynyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is aminomethyl, and X⁰ is hydrido;

R² is 3-aminophenyl, B is 3-pentyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is aminomethyl, and X⁰ is hydrido;

R² is 3-aminophenyl, B is hydrido, A is CH₂, Y⁰ is 4-amidinobenzyl, R¹ is aminomethyl, and X⁰ is hydrido;

R² is 3-aminophenyl, B is ethyl, A is CH₂, Y⁰ is 4-amidinobenzyl, R¹ is aminomethyl, and X⁰ is hydrido;

R² is 3-aminophenyl, B is 2-methypropyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is aminomethyl, and X⁰ is hydrido;

R² is 3-aminophenyl, B is 2-propyl, A is CH₃CH, Y⁰ is 4-amidinobenzyl, R¹ is aminomethyl, and X⁰ is hydrido;

R² is 3-aminophenyl, B is propyl, A is single bond, Y⁰ is 4-amidino-2-fluorobenzyl, R¹ is aminomethyl, and X⁰ is hydrido;

~~R² is 3-aminophenyl, B is 6-amidecarbonylhexyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is aminomethyl, and X⁰ is hydrido;~~

R² is 3-aminophenyl, B is tert-butyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is aminomethyl, and X⁰ is hydrido;

R² is 3-aminophenyl, B is tert-butyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is aminomethyl, and X⁰ is hydrido;

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R² is 3-aminophenyl, B is 3-hydroxypropyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is aminomethyl, and X⁰ is hydrido;

R² is 3-aminophenyl, B is 2-methylpropyl, A is single bond, Y⁰ is 4-amidino-2-fluorobenzyl, R¹ is aminomethyl, and X⁰ is hydrido;

R² is 3-aminophenyl, B is butyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is aminomethyl, and X⁰ is hydrido;

R² is 3-aminophenyl, B is 3-methoxy-2-propyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is aminomethyl, and X⁰ is hydrido;

R² is 3-aminophenyl, B is 3-methoxy-2-propyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is aminomethyl, and X⁰ is hydrido;

R² is 3-aminophenyl, B is 2-methoxy-2-ethyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is aminomethyl, and X⁰ is hydrido;

R² is 3-aminophenyl, B is 2-propyl, A is single bond, Y⁰ is 5-amidino-2-thienylmethyl, R¹ is aminomethyl, and X⁰ is hydrido;

R² is 3-aminophenyl, B is 2-propyl, A is single bond, Y⁰ is 4-amidino-3-fluorobenzyl, R¹ is aminomethyl, and X⁰ is hydrido;

R² is 3-carboxyphenyl, B is 2-propyl, A is single bond, Y⁰ is 4-amidinobenzyl, R¹ is aminomethyl, and X⁰ is hydrido; or

R² is 3-aminophenyl, B is 2-propyl, A is single bond, Y⁰ is 4-amidino-3-fluorobenzyl, R¹ is aminomethyl, and X⁰ is hydrido.

Claims 25-45 (canceled)

Claim 46 (currently amended): A composition for inhibiting thrombotic conditions in blood comprising a compound of ~~any one of claims 24 or 40~~ **claim 24** and a pharmaceutically acceptable carrier.

Claim 47 (currently amended): A composition for inhibiting thrombotic conditions in blood comprising a compound of any one of claims 17 through 23 ~~, or claims 33 through 39~~, and a pharmaceutically acceptable carrier.

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Claim 48 (currently amended): A method for inhibiting thrombotic conditions in blood comprising adding to blood a therapeutically effective amount of a composition of ~~any one of claims~~ claim 46 or 47.

Claim 49 (currently amended): A method for inhibiting formation of blood platelet aggregates in blood comprising adding to blood a therapeutically effective amount of a composition of ~~any one of claims~~ claim 46 or 47.

Claim 50 (currently amended): A method for inhibiting thrombus formation in blood comprising adding to blood a therapeutically effective amount of a composition of ~~any one of claims~~ claim 46 or 47.

Claim 51 (currently amended): A method for treating or preventing venous thromboembolism and pulmonary embolism in a mammal comprising administering to the mammal a therapeutically effective amount of a composition of ~~any one of claims~~ claim 46 or 47.

Claim 52 (currently amended): A method for treating or preventing deep vein thrombosis in a mammal comprising administering to the mammal a therapeutically effective amount of a composition of ~~any one of claims~~ claim 46 or 47.

Claim 53 (currently amended): A method for treating or preventing cardiogenic thromboembolism in a mammal comprising administering to the mammal a therapeutically effective amount of a composition of ~~any one of claims~~ claim 46 or 47.

Claim 54 (currently amended): A method for treating or preventing thromboembolic stroke in humans and other mammals comprising administering to the mammal a therapeutically effective amount of a composition of ~~any one of claims~~ claim 46 or 47.

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Claim 55 (currently amended): A method for treating or preventing thrombosis associated with cancer and cancer chemotherapy in humans and other mammals comprising administering to the mammal a therapeutically effective amount of a composition of ~~any one of claims~~ claim 46 or 47.

Claim 56 (currently amended): A method for treating or preventing unstable angina in humans and other mammals comprising administering to the mammal a therapeutically effective amount of a composition of ~~any one of claims~~ claim 46 or 47.

Claim 57 (currently amended): A method for inhibiting thrombus formation in blood comprising adding to blood a therapeutically effective amount of a compound of any one of claims 17-24 ~~or 33-40~~ with a therapeutically effective amount of fibrinogen receptor antagonist.